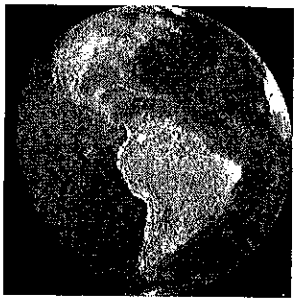
Name_____



Atmospheric Gases

Objective: In this activity, you will graph the percentage of various gases found in the atmosphere.

Background: The air in the atmosphere is a mixture of many gases. Two gases make up 99% of the volume of air: nitrogen and oxygen. Nitrogen composes 78% of air and oxygen makes up 21% of air. The other 1% includes gases such as carbon dioxide, argon, water vapor, ozone, neon, helium, hydrogen, carbon monoxide, sulfer dioxide and particles such as soot and dust. The following table provides the composition of air.

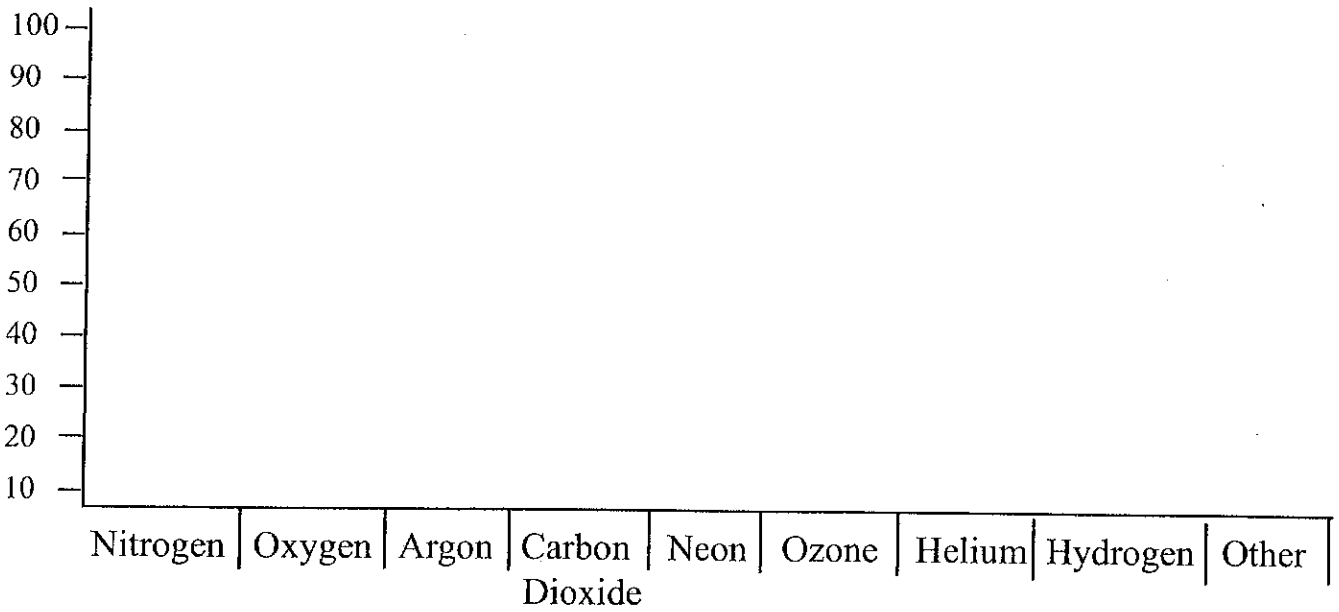
Gas	Percent by Volume
Nitrogen	78
Oxygen	21
Argon	.93
Carbon Dioxide	.03
Ozone	.0006
Neon	.0018
Helium	.0005
Hydrogen	.00005
Other gases	.00005

Name_____

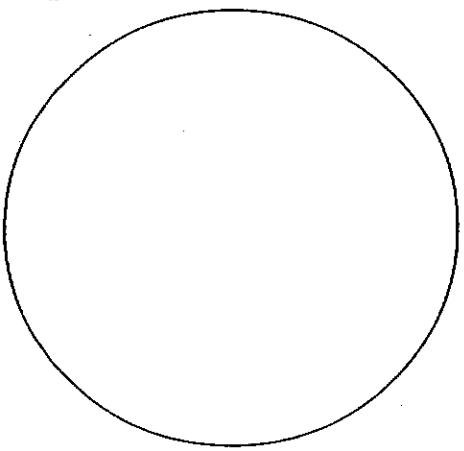
Atmospheric Gases (cont.)

Directions: Make two different graphs illustrating the makeup of gases in our atmosphere. The first graph is a bar graph, and the second is a pie graph. Use color pencils to illustrate the different gases.

Bar Graph:



Pie Graph:



Questions:

1. Which gas makes up the greatest percentage of gas in the atmosphere?
2. Which gas do plants breathe in?
3. What gas do we breathe in?
4. Describe the role ozone plays in the atmosphere.